TARC
TITUSVILLE AMATEUR RADIO CLUB
AUGUST, 1992
NEWSLETTER

OFFICERS
President: Bud Hughes K4CWG 269-0779
Vice President: Cliff Hoag KC4SYD 267-7030
Secretary: Jerry Richards KC4YDP 459-2073
Treasurer: Walt Hart KC4VVG 267- 4590

PRESIDENT'S CORNER

By Bud Hughes K4CWG

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However, fortunately for all of us, we had one of our stalwart members who, as is his custom, talked with and made welcome our visitor. The reaching out of a hand of friendship has enriched our club with a dear friend and a true cornerstone.

I am grateful to members like this...K4EOS, keep on keeping on, and surely we will be reaping more N4ZNQ's.

THE EDITOR'S DESK

By Becky Lee XYL/K4EOS

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THE Q CORNER

By Mike Hadley KC4TCV

QRZ, QRT, QRP, QTH, QSB.....What is all this stuff? Doesn't anyone speak English on the HAM bands?

After 20 years of working at the Kennedy Space Center you would think a person would be used to this kind of talk. At least out there they use acronyms that you can sort of guess at and have some idea of what they are talking about. The VAB stands for the Vehicle Assembly Building. OPF stands for the Orbiter Processing Facility, and the "PAD" is at least short for the "Launch Pad"!

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Continued on page 2.....

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.....Q - cont'd from page 1.

"Q" Signals are a group of three letters beginning with the letter "Q". Over the years, CW operators developed a "shorthand" method of using abbreviations to help limit the length of a CW conversation. This accomplished two things. It saved time and helped improve clarity. WAIT! Did you catch who it was that developed these "Q" Signals? Yes! CW Operators..... .NOT SSB Operators. SSB Operators learned very quickly that they could speak the words just as easily as trying to talk "Q" talk and consequently sound somewhat intelligent to any third party listeners. Newcomers to HAM radio pick these up quickly, maybe thinking it shows that they have graduated to operating with the "Big Boys", and I'm sure, completely unaware of the correct procedure for using them. Of course you can't blame them completely. That's something that is usually overlooked in most of the Novice classes being taught. I know, I know! I've used them on SSB and the UHF & VHF repeaters also and I should know better. I had my first Novice ticket back in 1961. Well, lets stick to the real purpose of this column. What do you do with these 'Q' Signals?

If SSB Operators really feel a need to use them, then lets increase our operating procedures by 10db and understand and use them correctly. I will cover a different "Q" Signal each month with the idea of it being a refresher for the "Old Timers" and an extension of the Novice class for all others. God forbid we start hearing 10-codes on SSB and on our repeaters as are used in some other types of "communications?" that can be heard on other frequencies.

The "Q" Signal for this month is QRZ. This is most commonly used as a question and means "who is calling me?" It's usually used when you've heard your call sign but missed the other stations call sign or maybe you're on the receiving end of a pileup and want to try and pick out someone's call on a second try. On CW it would be QRZ followed by a question mark and if you absolutely have to use it on SSB, try and put a question mark in the tone of your response such as this is [your call] QRZ ?" On the other side of the coin you would be telling someone that they are being called by a station such as: "[their call] you are QRZ by [other station's call (on_____Mhz)".

With that I'll say Best Wishes (73 in CW talk) and hope to meet up with you-all on the bands soon.

Field Day, 1992

By Jerry Russell, KC4UFI

Field day was held this year on June 28th and 29th, at least those were the Official Days!! It actually began at the April TARC meeting for some. This was the meeting that I volunteered as Field day chairperson. I shall remember that day for a LONG time. Thanks Cliff and Bud! I was assured that it would be a piece of cake, Ha Ha.

Remembering the last Field Day (my first) and how miserable it was to be out in the humid hot air, and how we had to shut down operations frequently for weather and refueling the portable gas generator, I decided to try to improve on those conditions somewhat. I first contacted Miracle City Mall management with regards to operating in the north parking lot of the MALL. Lots of tall light standards there for wire! Well mall management was delighted to hear from us! What a delight! I made an appointment for a couple weeks away and informed Bud Hughes that the appointment was set, and I'd like him to be there as official club spokesman. Bud agreed. Well, that was the beginning of the ruination of traditional Field day. Some moaned, "It will never work". Others moaned, "It ain't right, we won't be wet, hot and miserable". "It won't be a real field day", others moaned. After all Field Day is supposed to represent an actual emergency, like a hurricane operation. Ha, if a hurricane is blowing rain and debris all over I REALLY want to set up emergency communications out in the middle of a football field, don't you? N.O.T. Then some said, "hey, if its DRY, AIR CONDITIONED, WELL LIT, NO STAIRS to climb, I'll be there"!

And so it was. This year Field Day was to be different.

ACTRON rentals on Hopkins was contacted and asked to donate a diesel generator. WOW! They agreed. They would loan us a 25kw diesel generator. All we had to do was return it full of fuel. No problem! How much fuel could a lil' ole 25 kw generator burn in 24 hours anyway. (Later the results would show 13.9 gallons).

I decided it would be nice to have some signs in the MALL to explain the operation. I looked into having them painted, and found their cost to be a reasonable $15.00 each. I decided on having six of them done, and then set out to get a company to help pay for them. After all, what's the big deal. It's only $75.00, right? You'd think I was asking to clear the National Debt! I contacted Radio Shack and presented a plan to the manager. If he'd pay for

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By Rod Hughes K4CWG

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I am grateful to members like this. KA4OOS. Keep on keeping on, and surely we will be reaping more HAZING's.

THE EDITOR'S DESK

By Becky Lee KY4A/KB4OOS

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By Mike Bailey KC4TCV

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Continued on page 2.....

.....Field Day continued from page 2

the signs - or at least help, we would put RS's name on the signs and let him display their HAM Gear on a table. He could even have a sales person there to demo if he wanted. His answer was a resounding NO!! "We don't need this to sell our HAM equipment", he said. "It sells itself"! So I thanked him from the bottom of my heart and wished him well. Brevard Office Supplies furnished the placard stands at a substantial discount. Thanks, guys!

The handouts for the INFO desk and Field Day reporting forms were ordered from ARRL and things were on their way.

The day for Bud and I to meet with the MALL management came , and we met with them to discuss all the details of our operation. Tom Downs (not N4KFP) the MALL supervisor took us to the roof and we laid out the basic plans for coax routing and location of the many antennas.

Just prior to the big day, a work committee was convened and all the hardware to support the antennas was put on the roof of the MALL. The roof is a solid rubber membrane and therefore subject to a lot of damage if not treated with utmost care. A large tree stand affair was built to hold the 36' tall GAP antenna, and many sand bags were needed to hold guys. Many 2sq. ft. plywood pieces were lifted up there to stand the ladders on which were to be used for Dipole mounts. All this was done the day before. On the morning of field day, it was raining! We began setup by stringing coax all over and down thru the ceiling. The GAP was erected and guyed into place just as the wind and rain began. A good test for the support system. It worked! All the rest of the antennas were installed and tied down in a wind driven rain. This was about as close as it gets to a real emergency situation. It worked - more than I can say for KO4NQ's HT. It got soaked and quit working.

While we were on the roof setting up, the dry crew (ha ha), was busy setting up the nerve center in the MALL. By 14:00 - the official start time - the installation was complete. We were ready! It could happen! Les, K4SJC and myself KC4UFI set up an ATV demo and had it in operation for the whole 24 hours. I set up my PACKET station as a demo also, but it accounted for 102 of the contact points.

I will not elaborate on all the activities and events that happened during the 24 hour period. A lot of fun was had; a lot of contacts made; a lot of people operated that had never operated before; a lot of people that had always operated didn't operate; a lot of handicapped HAMS were able to participate; alot of people were NOT bitten by mosquitoes; a lot of the PUBLIC got a look at AMATEUR RADIO, and last but not least - we got several NEW HAMS, thanks to Bud and his Instant test crew !

When it was all over everyone there got busy, and within an hour everything was packed up. Within two hours all the STUFF was off the roof. Within three hours it was like it had never happened. I couldn't believe it. It was over and there wasn't a trace of us at the MALL. THANKS, EVERYONE, FOR ALL THE HELP! I had a blast!

For all you figure nuts out there, here is a breakdown of the points. A list of contacts by CALL/BAND/MODE is at the end of this article.

2020 points for SSB/CW(1010x2 for - 150 watts)
100 points for having an information booth
100 points for having FD in a public place
100 points for media coverage
400 points for 100% emergency power (4a sta.)
2820 points TOTAL

CONTACT LIST

M O D	C N E	OPERATOR	BAND	T
35	KC4SYD	10M	SSB	
28	KC4VIM	10M	SSB	
2	KD4HNW	10M	SSB	
3	KD4JAU	10M	SSB	
2	N4KXH	10M	SSB	
52	AF4N	15M	SSB	
10	K4ATV	15M	SSB	
1	KD4JAU	15M	SSB	
16	K04NQ	15M	SSB	
3	WA4QFI	15M	SSB	
1	WN3DHI	15M	SSB	
2	W4VQB	17M	SSB	
4	W4VQB	17M	SSB	
9	AC4KU	20M	SSB	
12	K4CWG	20M	CW	
2	K4EOS	20M	SSB	
11	K4SJC	20M	SSB	
34	KC4UFI	20M	SSB	
168	KC4YDP	20M	CW	
6	KD4HNW	20M	SSB	
32	KD4JBI	20M	SSB	
11	K04NQ	20M	SSB	
4	K4KXH	20M	SSB	
15	W4VQB	20M	CW	
7	WA4CUO	20M	CW	
15	WN3DHI	20M	SSB	
2	N4WWG	2M	PKT	
6	AF4N	40M	SSB	
2	K4SJC	40M	SSB	
28	KB2MLY	40M	SSB	
1	KC4VIN	40M	SSB	
88	KC4YDP	40M	CW	
9	KD4HOP	40M	SSB	
20	K04NQ	40M	SSB	
6	N4KXH	40M	SSB	
2	W4VQB	40M	CW	
1	WN3DHI	40M	SSB	
711	TOTAL			

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It is practical to members like this. KA4DQS. Keep on keeping on, and surely we will be reaping more 44ZND's.

THE EDITOR'S DESK

By Becky Lee KY4OKA/OS

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Continued on page 2.....

UPCOMING HAMFEST

Mobile, Alabama	Aug. 22-23
Madison, Gerogia	Aug. 22-23
Shelby, N. C.	Sept. 5-6
Melbourne, Fl.	Sept. 12-13
TARC Tailgate Party	Oct. 3

NET REPORTS

FRIENDSHIP NET
BY CLIFF HOAG KC4SYD
Thursday evening: 6:30pm EDST: 146.910-600.

Participation in the Friendship Net is open to all licensed amateur radio operators of any class. Prime purpose is to receive check-ins and disseminate information on club activities and to permit operators to check in, check their equipment and let their voices be heard. Maintaining the net permits the club to insure a viable emergency communication system, independent of commercial power and able to serve in time of emergencies.

One impediment to the net is occassioned by the hour and its proximity to the "hungries" suffered by the radio clientele (relative length of Morrison's chow line), but by and large the interest and cooperation of the net population is greatly appreciated.

Following is the list of check-ins for the past period:

July 2, 1992	25
July 9	26
July 16	32
July 30	33
Aug. 6	37

The greatest number of check-ins in the past year and a half was 65 (an evening shuttle launch).

Any suggestions for improvement of our net will be appreciated. Please contact me with your suggestions. I can wait on dessert!!! TNX-75s.

A special event will be held in October with TARC's Ham and Swap Tailgate Party. This was a popular part of last year's activities and gave many the chance to obtain net control experience. The tailgate party plans are coming along fine. It is October 3, 1992, 9:00 to 5:00, at Arthur Dunn Airport. Start to gather all the items you would like to dispose of, and prepare your shopping list. Admission and spaces are free. The Experimental Aircraft Assoc. is having their Fly-in and display at the same time. Food and refreshments will be available. This is a family affair. Last year was a SELL OUT!!!

TITUSVILLE "333" NET
By Carole Ann KC4VIN & Jane KC4VIO
Wednesday 1930 EST: 28.333MHZ

Nine new Mosquitoes were netted during a rare 10 meter band opening August 5, 1992. Mosquito Stinger #400 was awarded to KA1WTO Debbie in Meriden, CT.

The number keeps growing. Buzzing can now be heard in 47 states (45 confirmed) as well as in 9 countries, 6 Canadian Provinces, and the Commonwealth of Puerto Rico.

The significance of the Mosquito Net goes well beyond our Wednesday evening meeting.28.333 MHZ has become a popular meeting place for TARC members at home and while traveling. Calling CQ on this frequency can bring many pleasant surprises.

Les K4BZJ and Cliff KC4SYD kept fairly busy taking care of the net for three weeks. They had a good taste of how much fun it can be to handle traffic and meet friends at the same time.

A cordial invitation goes to all of you to tune-in and take part in this weekly club activity. The net is here for you and only your support will keep it alive.

MINUTES OF JULY MEETING
BY Cliff Hoag KC4SYD
Secretary pro tem

Meeting opened by Bud K4CWG at 7:05pm. Secretary and June minutes were missing. Motion made and carried approving no minutes.

Treasurer reported as of June 30, treasury fund was $791.52; Savings Account (repeater fund) was $1,121.54. Field Day budget of $300 was exceeded. Motion accepted that the actual expenses would be received and accepted at the August meeting. Treasurer was requested to report amount due K4CWG for repeater costs, and any other outstanding debts at the August meeting. It was agreed that the treasurer's report be printed in the newsletter so that any questions can be answered at the next meeting.Bud KC4CWG reported on the passing of John W4RJB (silent key). Tom N4KFP is disbursing the residual HAM equipment (family owned) by W4RJB.

Les K4SJC has tickets for the Melbourne Hamfest (9/12-13) @ $4.00 each.

Mitch KN4VH requested the club's participation in the TGIF/Space Fest '92.

Jerry KC4UFI reported on Field Day, and thanked all those who participated. Motion commending Jerry on a job well done was unanimously approved.

.....ccontinued on page 5

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Continued on page 2.....

.....Minutes continued from Page 4
It was announced that Becky Lee has agreed to edit the TARC NEWSLETTER. She will be ably assisted by cub reporter K4EOS, Clyde (OM).

Wes AF4N has agreed to participate in the fall Novice classes. Still need two or more additional members to participate.

Val WB4ZUZ reported on the latest Foxhunt. Although participation by TARC members was minimal, a fine time was had by all. She suggested "sniffers" be implemented in the future.

Bud K4CWG advised that a test session will be held at his work place on Thursday, 7/30 at 5pm. There are 7 applicants for testing. He also advised that rules governing testing and application for the Novice license will be changed in the near future. Previously two general license holders could offer testing and approval for the Novice license. New rules make it mandatory that certified VEC's will give the test. However, general class license holders can apply to become accredited VEC's.

Walt W4VVG discussed the possibility of getting quotes on a club jacket, shirt or vest with the club emblem. Show of hands indicated that most were interested in the vest. Walt will pursue this and report his findings.

W4EPU Pike, the evening speaker, reported on his recent trip to Dutch Harbor, Alaska, for the reunion of the survivors of the Japanese attact on Dutch Harbor 50 years ago. Arrangements for the 80+ survivors, originally part of the Arkansas National Guard, were made by Gov. Clinton and carried out by the Arkansas Air National Guard. Pike said the citizenry of Dutch Harbor (3500) were pleased and thankful for the men who had saved their community. Pike was given a round of applause for his excellent presentation.

Bob W4VQB was to speak on his involvement in LIFE LINE, but due to the late hour, it was deferred to a later date.

Meeting was concluded at 9:15pm.

AUGUST MEETING

8/25/92 7:00PM

JAYCEE BUILDING ON SINGLETON

BOB W4VQB WILL SPEAK ON HIS INVOLVEMENT WITH "LIFE LINE"

COMING ATTRACTIONS

TREASURER'S REPORT
CROSSWORD PUZZLE
MONTHLY CALENDAR
SURPRISES

A SPECIAL CONTACT

Submitted by Cliff KC4SYD

July 22, 1992

Hello Cliff,

I had the pleasure of meeting you on 10 meters and hope we meet again.

I am on BATTERY POWER 100% of the time. I selected my land $20,000 from power lines because it's much cheaper to buy "marginal" land, with no utilities available. I have 288 acres on top of a Ozark mountain @ 2210 feet. My house batteries (12 480 amp hr. cells) are wired for 12 volts @ 960 ah. I found a source of used telephone central office batteries down in Little Rock. I get 5 to 7 years of good service from these used cells.

Used solar electric panels cost about $160 for a 32 watt 17 vdc panel. I have 14 of these for the house and we live alright on 12 volt! A 350 watt inverter gives us ac pwr for the color tv (19") TYRO, and VCR. Everything else is 12 volt.

My ham shack is by itself. There are seven 2 volt 270 ah cells wired for 14 vdc. This is far better than only 12 volts! I found a 10 watt 17+ v panel @ $44 each and bought 2 for charging my shack batts. RAT PAK ELECTRONICS Box 690073 Houston, TX 77269. All my batteries are kept in a temperate place and enclosed inside a wood box with a small fan for gas venting.

A local man dowsed (with a forked stick) a water well on our land and we have all the drinking water we need. The OM also taught my xyl how to use a divining rod and she found another spring with more wonderful water.

I also enjoy the RS-10 satellite that orbits the earth at about 1000 km. I can reach the Caribbean Islands with this low orbit satellite. I uplink with a TS-700SP on 145.885 MHZ upper side band with 5 watts max, and downlink is on 29.380 USB.

A good place to start looking for low cost solar panels is WB8VGE Mike Bryce 2225 Mayflower NW, Massillon OH 96044-0130. Get a sample copy of their magazine. It's got lots of good addresses. But be sure and shop around for recycled panels. Some are slightly discolored but produce 95% of rated output (32 watts @ 17 vdc).

Good Luck
Jim Hale N5WSZ
HC 65 Box 261-B
Kingston, Arkansas 72742

Submitted by Cliff KC4SYD

July 22, 1992

Hello Cliff,

I had the pleasure of meeting you on 10 meters and hope we meet again.

I am on BATTERY POWER 100% of the time. I selected my land $20,000 from power lines because it's much cheaper to buy "marginal" land, with no utilities available. I have 288 acres on top of a Ozark mountain @ 2210 feet. My house batteries (12 480 amp hr. cells) are wired for 12 volts @ 900 ah. I found a source of used telephone central office batteries down in Little Rock. I got 5 to 7 years of good service from these used cells.

Used solar electric panels cost about $100 for a 32 watt 17 vdc panel. I have 14 of these for the house and we live alright on 12 volt. A 350 watt inverter gives us ac pwr for the color tv (19") TYRO, and VCR. Everything else is 12 volt.

My ham shack is by itself. There are seven 2 volt 270 ah cells wired for 14 vdc. This is far better than only 12 volts! I found a 10 watt 17+ v panel @ $44 each and bought 2 for charging my shack batts. RAT PAK 19.HCTRONICS Box 690073 Houston, TX 77269. All my batteries are kept in a temperate place and enclosed inside a wood box with a small fan for gas venting.

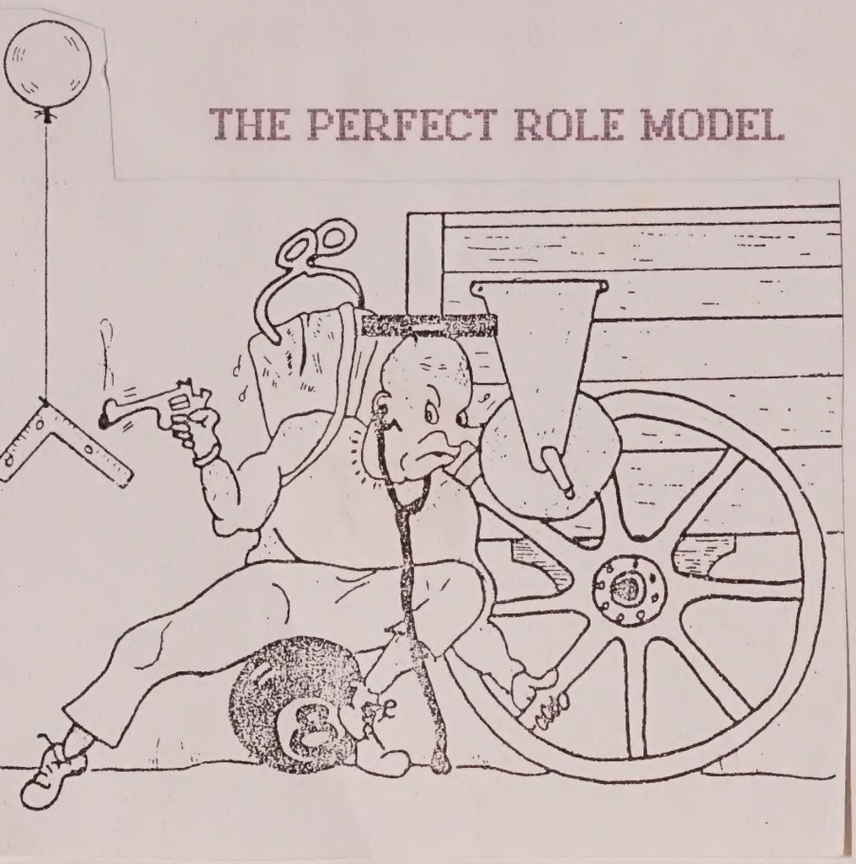
A local man dowsed (with a forked stick) a water well on our land and we have all the drinking water we need. The OM also taught my xyl how to use a divining rod and she found another spring with more wonderful water.

I also enjoy the RS-10 satellite that orbits the earth at about 1000 km. I can reach the Caribbean Islands with this low orbit satellite. I uplink with a TS-700SP on 145.985 MHZ upper side band with 5 watts max, and downlink is on 29.360 FSB.

A good place to start looking for low cost solar panels is WINNEBAGO Mike Bryce 2222 Marylower NW, Massillon OH 99044-0130. Get a sample copy of their magazine. It's got lots of good addresses. But be sure and shop around for recycled panels. Some are slightly discolored but produce 95% of rated output (32 watts @ 17 vdc).

Good Luck
Jim Hale N5WSZ
HC 65 Box 201-B
Kingston, Arkansas 72742

THE PERFECT ROLE MODEL



BE A SQUARE SHOOTER
KEEP BOTH FEET ON THE GROUND
BE ON THE BALL EVERY MINUTE
KEEP YOUR SHOULDER TO THE WHEEL
KEEP YOUR NOSE TO THE GRINDSTONE
KEEP A STIFF UPPER LIP
HAVE A LEVEL HEAD
KEEP COOL AT ALL TIMES

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